

ABSTRACT

A sulfate process for producing titania from a
titaniferous material is disclosed. The process includes
5 leaching the titaniferous material and producing a leach
liquor, separating titanyl sulfate from leach liquor,
hydrolysis of the extracted titanyl sulfate, and
thereafter calcining the solid phase produced in the
hydrolysis step. The process is characterised by
10 controlling the hydrolysis step and forming a selected
particle size distribution of hydrated titanium oxides
from titanyl sulfate.